

**We Claim:**

1           1.       An electrical fault indicator connected between two circuit points  
2 disposed between a voltage source and a load, comprising:  
3           a parallel circuit electrically interconnected between said two circuit points  
4 and having in one conduction path a resettable fuse and having in a second parallel  
5 conduction path a visual indicator of a voltage drop, wherein, when said resettable  
6 switch is in a tripped position, the resulting increased voltage between the two  
7 circuit points will result in the flow of sufficient current through said visual indicator  
8 as to be detected by an observer.

1           2.       A fault indicator as set forth in claim 1 wherein said visual indicator  
2 is an LED that is illuminated by the current flow.

1           3.       A fault indicator as set forth in claim 2 wherein said second parallel  
2 conducting path includes a diode in series with said LED.

1           4.       A fault indicator as set forth in claim 2 wherein said second parallel  
2 conduction path includes a resistor in series with LED.

1           5.       A fault indicator as set forth in claim 3 wherein said second parallel  
2 conducting path also includes a resistor in series with said diode and said LED.

1           6.       A method of providing a visual indication of a tripped fuse in an  
2 electrical circuit, comprising the steps of:  
3           providing a resettable fuse in series between a voltage source and a load;  
4           and providing a visual indicator of voltage in parallel connection with said  
5 resettable fuse;  
6           such that when said resettable fuse trips as a result of a fault in the electrical  
7 circuit, the resulting high voltage will cause current flow through said visual  
8 indicator and allow it to be visually observed.

1           7.     A method as set forth in claim 6 wherein said visual indicator of  
2 voltage is an LED.

1           8.     A method as set forth in claim 7 and including the further step of  
2 providing a diode in series with said LED.

1           9.     A method as set forth in claim 7 and including the further step of  
2 providing a resistor in series with said LED.

1           10.    A method as set forth in claim 8 and including the further step of  
2 providing a resistor in series with said LED and said diode.

1           11.    A resettable fuse circuit comprising:  
2           a resettable fuse to be electrically interconnected between a power source and  
3 a load; and  
4           a visual indicator of voltage being interconnected between the power source  
5 and the load, in parallel with said resettable fuse, said resettable fuse and said visual  
6 indicator of voltage being so selected and having the characteristic that when said  
7 resettable fuse is in a tripped condition, the voltage drop across said visual indicator  
8 of voltage is increased sufficiently for its condition to be visually observable.

1           12.    A resettable fuse circuit as set forth in claim 11 wherein said visual  
2 indicator of voltage is an LED which is illuminated by the voltage drop.

1           13.    A resettable fuse circuit as set forth in claim 12 and including a diode  
2 in series with said LED.

1           14.    A resettable fuse circuit as set forth in claim 12 and including a  
2 resistor in series with said LED.

- 1            15.     A resettable fuse circuit as set forth in claim 13 and including a
- 2     resistor in series with said LED and said diode.